NSN 5985-00-471-4562

Waveguide Assembly - Page 1 of 2



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Cross Sectional Shape:

Internal, rectangular external, rectangular

Thread Class:

2b first flange all connection facilities

Thread Direction:

Right-hand first flange all connection facilities

Tubing Wall Construction Style:

Seamless single tubing segment

Flange Quantity:

2

Flange Inside Width:

0.705 inches second flange

Flange Inside Height:

0.394 inches second flange

Flange Outside Width:

1.298 inches second flange and 1.328 inches second flange

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1.298 inches second flange and 1.328 inches second flange

Flange Inside Diameter:

0.985 inches first flange and 1.015 inches first flange

Flange Depth:

0.360 inches first flange and 0.390 inches first flange

Flange Connecting Hole Diameter:

0.144 inches second flange all connection facilities and 0.147 inches second flange all connection facilities

Voltage Standing Wave Ratio:

1.15

Insertion Loss In Decibels:

0.16

Thready Qty Per Inch (tpi):

32 first flange all connection facilities

Waveguide Outside Width:

Between 0.699 inches and 0.705 inches

Thread Size:

0.138 inches first flange all connection facilities

Waveguide Inside Width:

Between 0.6195 inches and 0.6245 inches

Waveguide Inside Height:

Between 0.3085 inches and 0.3135 inches

Waveguide Outside Height:

Between 0.388 inches and 0.394 inches

Flange Connecting Facility And Quantity:

4 unthreaded hole second flange all connection facilities

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Flange Style:
Cover type second flange
Waveguide Center To Center Distance:
Between 6.820 inches and 6.900 inches
Waveguide Height:
Between 1.860 inches and 1.940 inches
Special Features:
Frequency range 15.900 to 17.100
Flexibility:
Flexible single tubing segment
Material:
Copper alloy all tubing segment and flange
Precious Material And Location:
External waveguide surfaces silver
Precious Material:
Silver
Surface Treatment:
Silver single tubing segment outside surfaces and rubber single tubing segment outside surfaces
Style Designator:
Double bend type
Thread Series Designator:
Unc first flange all connection facilities
Fsc Application Data:
Antennas, waveguides, and related equipment
Shelf Life:
N/a
Unit Of Measure:
Demilitarization:
No
Fiig:
A073a0